

Applicant : Sourabh Tewari
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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method for processing an electronic document, the method comprising:

obtaining a first electronic document including a plurality of logical elements, each logical element ~~having a logical type and~~ having associated content with a visual appearance;
modifying the first electronic document by associating a respective marker attribute value with a marker attribute of each of the logical elements in the first electronic document, each respective marker attribute value being a value of the marker attribute of the content of the respective logical element;

generating a second electronic document by converting the modified first electronic document with the associated marker attribute values through a document conversion process that preserves the association of the marker attribute values and the content of the logical elements; and

using the marker attribute values of the content in the second electronic document to identify each of the plurality of logical elements in the second electronic document.

2. (Currently Amended) The method of claim 1, further comprising the steps of:

generating a third electronic document before associating a marker attribute value with each of the plurality of logical elements in the first electronic document, by ~~transferring~~ converting the first electronic document through the document conversion process; and

using the marker attribute values in the second electronic document to identify logical elements in the third electronic document.

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3. (Original) The method of claim 2, wherein each of the logical elements in the second and third electronic documents has a corresponding logical element in the first electronic document.
4. (Original) The method of claim 1, wherein each of the logical elements in the second electronic document has a corresponding logical element in the first electronic document.
5. (Original) The method of claim 1, wherein the document conversion process is a print process.
6. (Currently Amended) The method of claim 1, wherein ~~the step of~~ generating a second electronic document comprises associating a different marker attribute value with content of each of the plurality of logical elements in the first electronic document.
7. (Currently Amended) The method of claim 1, wherein ~~the step of~~ generating a second electronic document comprises associating a different marker attribute value with content of each logical element located within one same page of the first electronic document.
8. (Currently Amended) The method of claim 1, wherein the respective marker attribute value is a color value that is assigned to each respective logical element by coloring the content of each respective logical element.
9. (Original) The method of claim 1, wherein the first electronic document is an electronic document generated in a word processing application.
10. (Original) The method of claim 1, wherein the second electronic document is a PDF document.

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11. (Currently Amended) The method of claim 1, wherein:
each logical element has a logical type, the logical type comprising at least one of a header, a paragraph, a text box, a list element, a table cell, or an image; and
~~the step of~~ using the marker attribute values to identify logical elements in the second electronic document comprises ~~[[:]]~~ identifying the logical elements in the second electronic document by converting the marker attribute values to logical types.
12. (Original) The method of claim 1, further comprising using the marker attribute values in the second electronic document to create a hierarchal structure for the plurality of logical elements in the second electronic document.
13. (Original) The method of claim 12, further comprising obtaining structural information from the first electronic document to create a hierarchal structure for the plurality of logical elements in the second electronic document.
14. (Currently Amended) A computer-implemented method for converting a source document ~~including a plurality of logical elements~~ into a PDF document, the method comprising:
obtaining a source document that includes a plurality of logical elements, each having associated content with visual appearance;
producing a first PDF document from the source document using a source computer program application;
color-coding the content of the logical elements of the source document to produce a color-coded source document, where the color-coding is performed by the source computer program application;
producing a color-coded, second PDF document from the color-coded source document using the source computer program application; and
creating a plurality of logical elements in the first PDF document based on the color-coded, second PDF document, each logical element of the color-coded, second PDF document corresponding to a logical element in the source document.

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15. (Currently Amended) A computer-implemented method for creating a final-format document ~~having logical elements~~ from source document generated by a computer application, the method comprising:

obtaining a source document that includes a plurality of logical elements, each having associated content with visual appearance;

obtaining an original final-format document from the computer application, the original final-format document being generated from the source document;

marking logical elements of the source document by marking the respective associated content of the logical elements to generate a marked source document;

obtaining a marked final-format document from the computer application, the marked final-format document being generated from the marked source document;

obtaining logical structure information from the source application; and

creating logical elements in the original final-formatted document using the obtained logical structure information and the marked final-format document.

16. (Currently Amended) A computer program product, stored on a machine-readable medium, comprising instructions operable to cause a programmable processor to:

obtain a first electronic document including a plurality of logical elements, each logical element ~~having a logical type and~~ having associated content with a visual appearance;

modify the first electronic document by associating a respective marker attribute value with a marker attribute of each of the logical elements in the first electronic document, each respective marker attribute value being a value of the marker attribute of the content of the respective logical element;

generate a second electronic document by ~~associating a marker attribute value, the marker attribute value being a value of a marker attribute, with a plurality of logical elements in the first electronic document and~~ converting the modified first electronic document with the associated marker attribute values through a document conversion process that preserves the association of the marker attribute values and the content of the logical elements; and

use the marker attribute values of the content in the second electronic document to identify each of the plurality of logical elements in the second electronic document.

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17. (Currently Amended) A computer program product, stored on a machine-readable medium, comprising instructions operable to cause a programmable processor to:

obtain source document that includes a plurality of logical elements, each of the plurality of logical element having associated content with visual appearance;

produce a first PDF document from the source document using a source computer program application;

color-code the content of the logical elements of the source document to produce a color-coded source document, where the color-coding is performed by the source computer program application;

produce a color-coded, second PDF document from the color-coded source document using the source computer program application; and

create logical elements in the first PDF document based on the color-coded, second PDF document, each logical element of the color-coded, second PDF document corresponding to a logical element in the source document.

18. (Currently Amended) A computer program product, stored on a machine-readable medium, comprising instructions operable to cause a programmable processor to:

obtain a source document generated by a computer application, the source document including a plurality of logical elements, each having associated content with visual appearance;

obtain an original final-format document from the computer application, the original final-format document being generated from the source document;

mark logical elements of the source document to produce a marked source document;

obtain a marked final-format document from the computer application, the marked final-format document being generated from the marked source document;

obtain logical structure information from the source application; and

create logical elements in the original final-formatted document using the obtained logical structure information and the marked final-format document.